

Amendments to the Claims:

Please amend claims 1, 2, 5, 6, 7 and 10.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A magnetic disk for a hard disk drive, comprising:
a substrate;
a S1 magnetic layer located over said substrate;
a layer of ~~spacer~~~~anti-ferromagnetic coupling~~ material located over said S1 magnetic layer;
a top magnetic layer ~~that is~~ located over said layer of ~~spacer~~~~anti-ferromagnetic coupling~~
material and which contains a plurality of grains;
a layer of chromium located adjacent to said top magnetic layer, a portion of said chromium
being located between said grains of~~diffused into~~ said top magnetic layer.
2. (Currently Amended) The disk of claim 1, further comprising a S2 magnetic layer
located adjacent to said layer of chromium and said layer of ~~spacer~~~~anti-ferromagnetic coupling~~
material.
3. (Original) The disk of claim 1, further comprising an underlayer located
between said substrate and said S1 magnetic layer.
4. (Original) The disk of claim 1, further comprising an overcoat layer located over
said top magnetic layer.
5. (Currently Amended) The disk of claim 4, wherein said layer of ~~spacer~~~~anti-ferromagnetic coupling~~
material includes ruthenium.
6. (Currently Amended) A hard disk drive, comprising:
a base plate;
a spindle motor coupled to said base plate;
a disk coupled to said spindle motor, said disk including;
a substrate;
a S1 magnetic layer located over said substrate;

a layer of ~~spaceranti-ferromagnetic coupling~~ material located over said S1 magnetic layer;
a top magnetic layer that is located over said layer of ~~spaceranti-ferromagnetic coupling~~
material and which contains a plurality of grains;
a layer of chromium located adjacent to said top magnetic layer, a portion of said chromium
being located between grains of ~~diffused into~~ said top magnetic layer;
an actuator arm mounted to said base plate;
a voice coil motor coupled to said actuator arm;
a flexure arm coupled to said actuator arm; and,
a head coupled to said flexure arm and said disk.

7. (Currently Amended) The hard disk drive of claim 6, further comprising a S2
magnetic layer located adjacent to said layer of chromium and said layer of ~~spaceranti-ferromagnetic~~
~~coupling~~ material.

8. (Original) The hard disk drive of claim 6, further comprising an underlayer
located between said substrate and said S1 magnetic layer.

9. (Original) The hard disk drive of claim 6, further comprising an overcoat layer
located over said top magnetic layer.

10. (Currently Amended) The hard disk drive of claim 9, wherein said layer of
~~spaceranti-ferromagnetic coupling~~ material includes ruthenium.

11-15. (Cancelled)